Software Engineering Project

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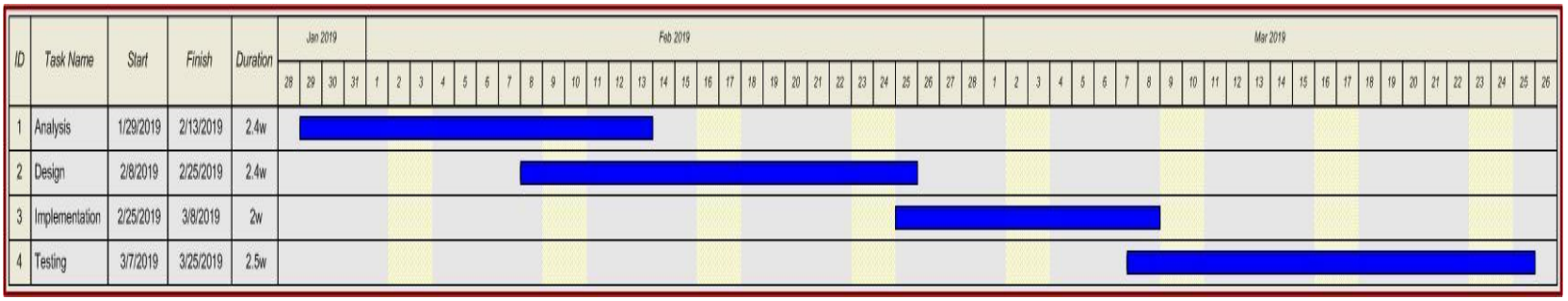
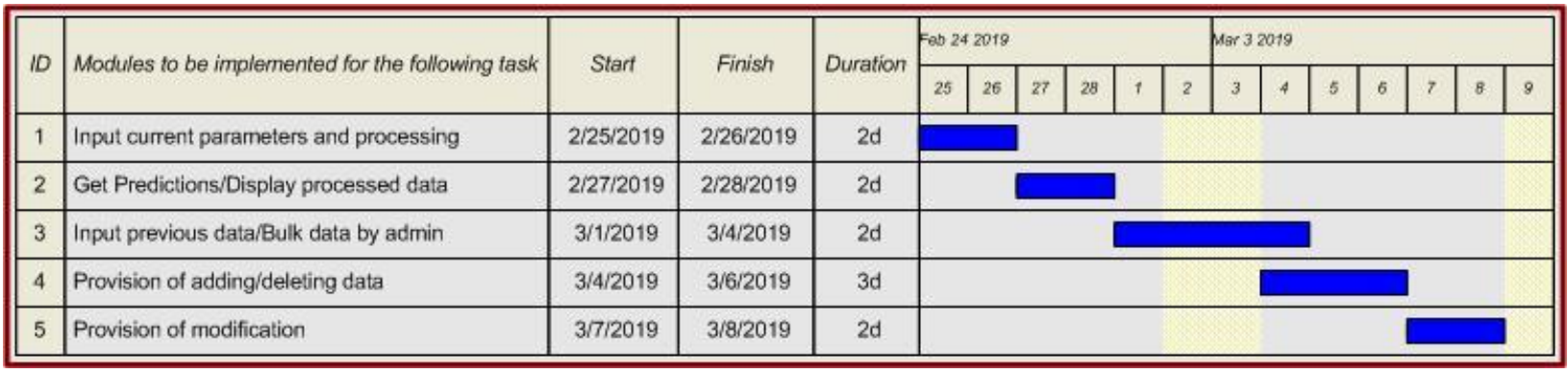
Software process model chosen: Waterfall model

Software process model: The software process model chosen for this project is waterfall model. As we have mentioned our requirements and modules (as in use case diagram) in the abstract clearly and emphasized that these requirements are fixed, and are less likely to change. This is a small-scale university project not as that of a company's or organizations large-scale projects. As all of the process is new to us and we don't have any prior experience in making software, so in order to show that we have learned something from this project, it needs to be well documented and presentable. Documentation is required in each step of waterfall model so this is our advantage.

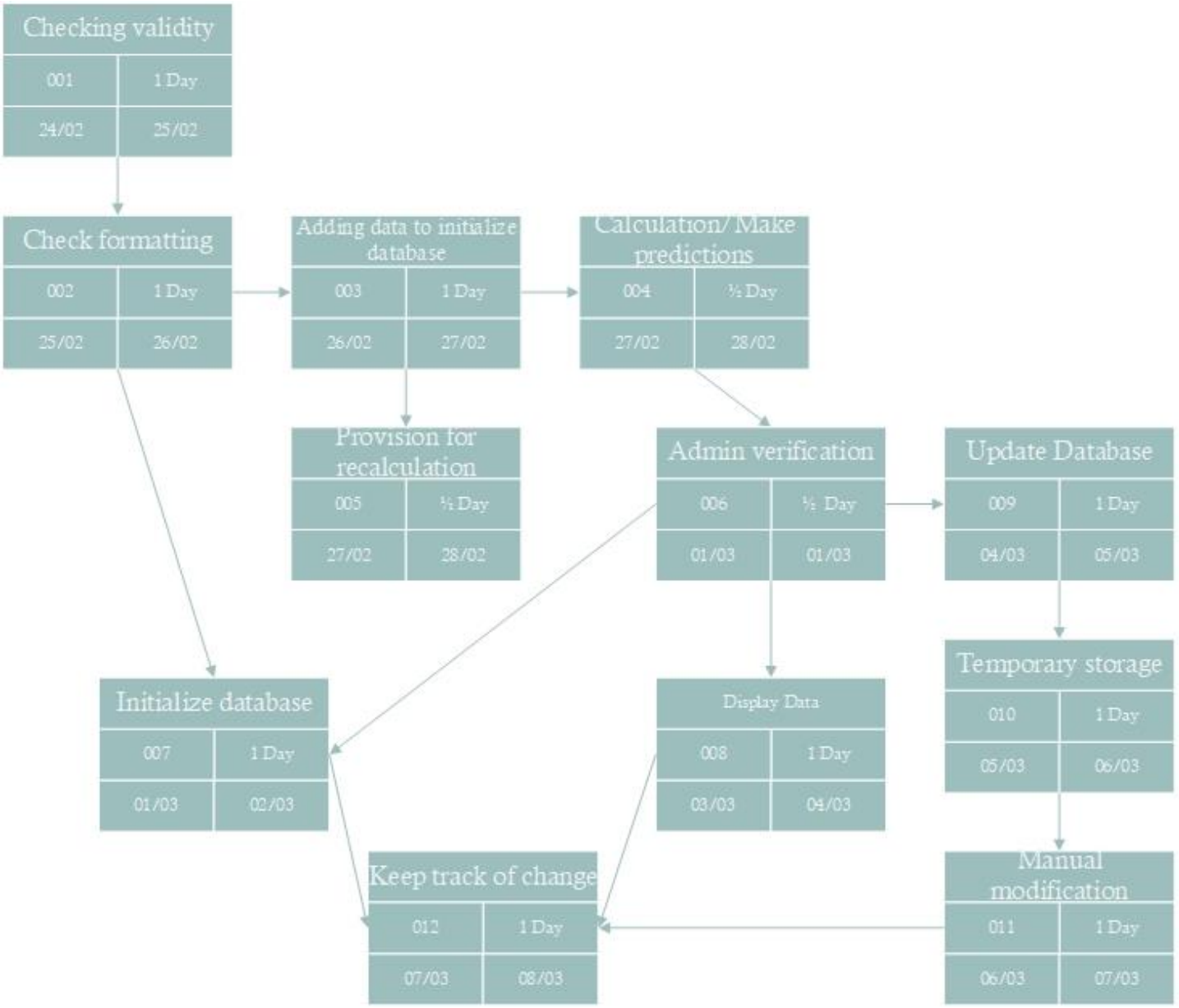
Gantt chart based on process model:



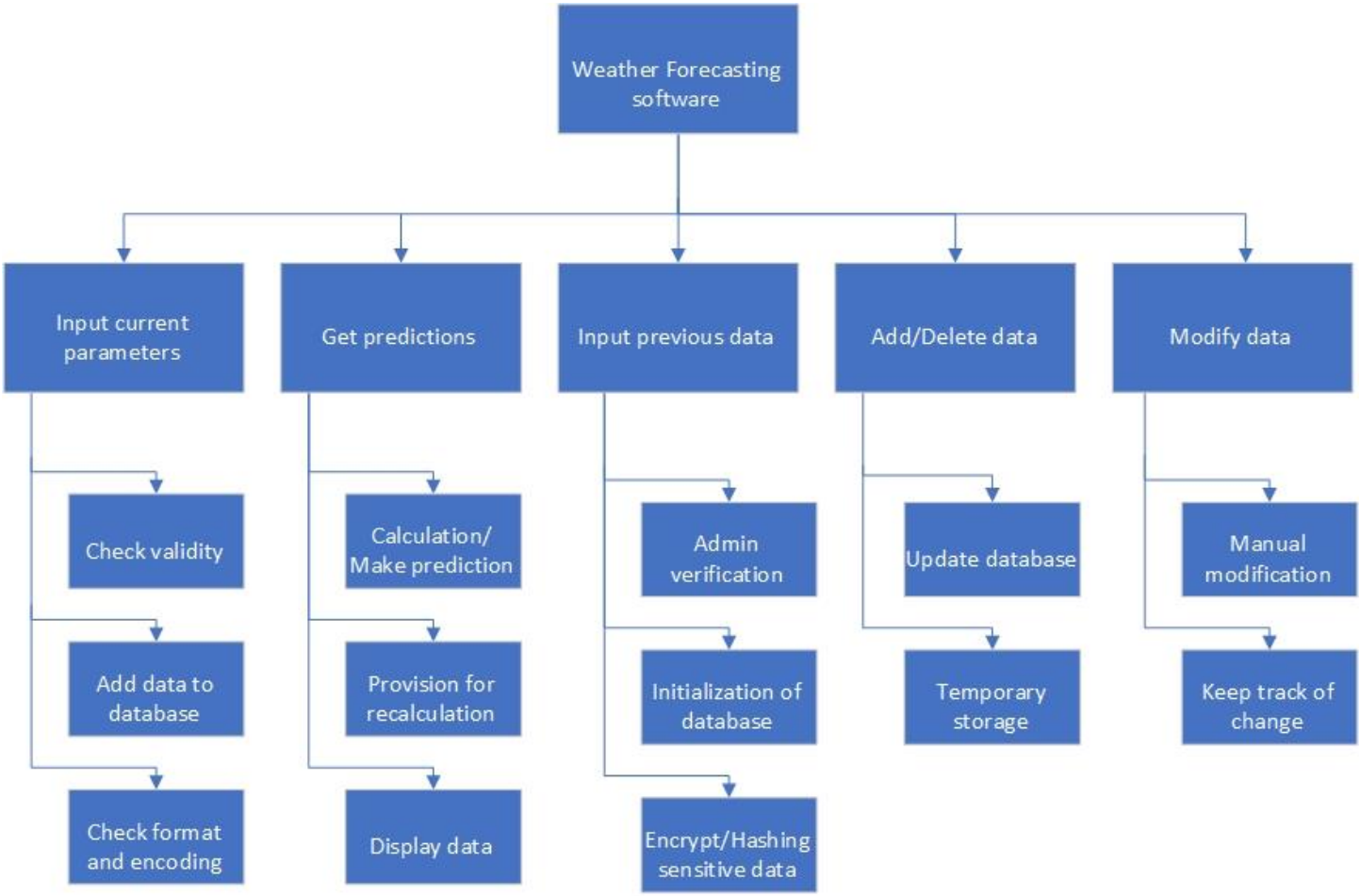
Gantt chart based on product implementation:



Activity Network:



Work breakdown structure:



Risk management:

Risk	**Type of risk**	**Probability**	**Consequences**	**Strategy**
Management change: Their will be change in thinking with different priorities.	Business	Very low	Serious	Showing that the project is making important contributions in business.
Staff illness	Project	Medium	Moderate	Reorganize so that there is more work overlap.
Database performance underestimated.	Product	Low	Severe	Analyze the possibility of buying high performance database.

The size of the software is underestimated.	Product	High	Tolerable	Overtime on weekends.
The code generated by CASE tools is inefficient.	Product	Medium	Moderate	Replace generated inefficient code by carefully designed ones manually.
Changes in design in later phase of development.	Project and product	Low	Catastrophic	Explaining customer, the impact of change in requirement.